

Title (en)

Registration determination device, control method and control program therefor, and electronic apparatus

Title (de)

Registrierungsbestimmungsvorrichtung, Steuerverfahren und Steuerprogramm dafür sowie elektronische Vorrichtung

Title (fr)

Dispositif de détermination d'enregistrement, procédé de commande et son programme de commande et appareil électronique

Publication

EP 2639740 A2 20130918 (EN)

Application

EP 12197322 A 20121214

Priority

JP 2012058991 A 20120315

Abstract (en)

Whether an obtained candidate face image is registered or not is appropriately determined. A similarity degree calculating unit calculates the degree of similarity between a candidate face image extracted by a face image extracting unit and a registration face image registered in a storage unit. An in-class variance calculating unit calculates an in-class variance of the degree of similarity of the registered person identified by a registered person identifying unit, and an inter-class variance calculating unit calculates an inter-class variance of the degree of similarity of each registered person registered in the storage unit. A variance ratio calculating unit calculates a variance ratio between the inter-class variance and the in-class variance, and on the basis of the calculated variance ratio, a registration determining unit determines whether a target face image is to be registered or not.

IPC 8 full level

G06K 9/00 (2006.01); **G06K 9/62** (2006.01)

CPC (source: EP KR US)

G06T 7/00 (2013.01 - KR); **G06V 10/10** (2022.01 - KR); **G06V 10/40** (2022.01 - KR); **G06V 40/50** (2022.01 - EP US)

Citation (applicant)

- JP 2000123178 A 20000428 - MITSUBISHI ELECTRIC CORP
- JP 4705512 B2 20110622
- JP 4705511 B2 20110622
- JP 3564984 B2 20040915
- JP 4314016 B2 20090812
- JP 4177629 B2 20081105
- JP 2004046697 A 20040212 - OMRON TATEISI ELECTRONICS CO
- JP 2004302645 A 20041028 - SONY CORP

Cited by

EP2887267A1; EP2874098A1; US9734163B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2639740 A2 20130918; **EP 2639740 A3 20140903**; CN 103313018 A 20130918; CN 103313018 B 20161228; JP 2013196008 A 20130930; JP 5900052 B2 20160406; KR 101424956 B1 20140801; KR 20130105285 A 20130925; US 2013243328 A1 20130919; US 8958647 B2 20150217

DOCDB simple family (application)

EP 12197322 A 20121214; CN 201210593006 A 20121231; JP 2012058991 A 20120315; KR 20120154696 A 20121227; US 201213722217 A 20121220